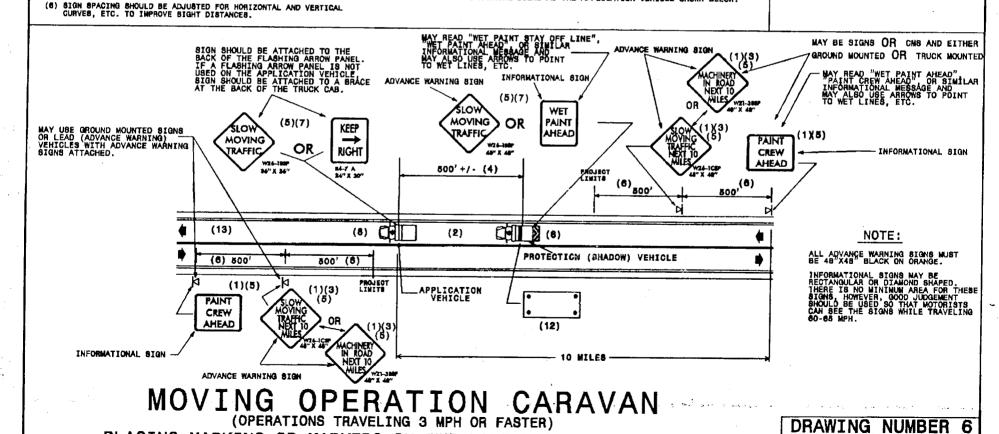
Aleder British But Buck, Oak H. GENERAL NOTES (7) SIGN W28-188P OR R4-7A SHOULD BE PLACED ON FRONT OF APPLICATION VEHICLE AND SIGN W28-188P OR INFORMATIONAL SIGN ON BACKLOF PROTECTION VEHICLE NO TWO-LANE, TWO-WAY TRAFFO SO VEHICLES APPROACHING FROM FRONT AND REAR ARE NOTIFIED OF OPERATION. (1) THE FOLLOWING OPTIONS MAY BE USED AS ADVANCE WARNING BIGHS: LEGEND TRUCK MOUNTED ADVANCE WARNING SIGNS MOVING CHANGEABLE MESSAGE SIGN (CMS) (MUST USE 'NEXT 10 MILES' AND MAKE CIRCLE TO PORTABLE BION (8) RADIO COMMUNICATION BETWEEN VEHICLES IS RECOMMENDED PICK UP BIGHB) USE OF A LIGHT BAR ON THE ADVANCE WARNING VEHICLE IS PREFERRED, BUT A NOTATING BEACON MAY BE USED INSTEAD. DIRECTION OF TRAFFIC FLOW D. STATIONARY CHANGEABLE MESSAGE SIGN (CMS) (MUST USE 'NEXT 10 MILES' AND MAKE DIROLE TO PICK UP CMB) (10) USE OF A CMS WITH ADVANCED WARNING VEHICLES IS OPTIONAL. APPLICATION VEHICLS WITH MOTATING BEACON (2) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL - TMIA'S ARE OPTIONAL ON (11) IF WORK IS PERFORMED AT NIGHT, THE FOLLOWING PROVISIONS MUST BE THESE ADDITIONAL VEHICLES. HOWEVER, THE FIRST VEHICLE MOTORISTS A. GROUND MOUNTED SIGNS MUST HAVE TYPE B FLASHING LIGHTS PROTECTION VEHICLE WITH TRUCK MOUNTED IMPACT ATTEMIATOR (THIA) AND ROTATING BEACON (BEE ROADWAY STANDARD NO. 1188.01 SEE SHOULD HAVE A THIA. ATTACHED (TRUCK MOUNTED SIGNS DO NOT REQUIRE TYPE B FLASHING LIGHTS) (3) ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED B. OPERATION MUST INCLUDE A CHANGEABLE MESSAGE SIGN (CMS) TEN (10) MILES IN LENGTH. C. WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVED BY THE ENGINEER. FLASHING ARROW PANEL, TYPE "B" (4) DISTANCE BETWEEN APPLICATION VEHICLE AND PROTECTION VEHICLE WILL VARY AS DRYING TIMES VARY, HOWEVER, THE CRITICAL FACTOR IS PASSING MOTORISTS. IF THE GAP SETWEEN VEHICLES IS TOO GREAT MOTORISTS WILL ATTEMPT TO PASS AND ULTIMATELY APPEAR IN THE MIDDLE OF THE OPERATION. (12) USE A TYPE "B" FLASHING ARROW PANEL. PANEL TYPE MIN. BIZE 60"X30" (5) MOUNTING HEIGHT DIMENSIONS FROM ROADWAY TO SIGN SHOULD BE A MINIMUM OF FIVE (3) FEET FOR INTERSTATES, OTHER HIGH VOLUME ROADWAYS, OR ROADWAYS THAT MAY REQUIRE A MOUNTING HEIGHT OF FIVE (6) FEET FOR INCHEASED VISIBILITY AND A MINIMUM OF ONE (1) FOOT FOR ALL OTHER ROADWAYS. (13) IF A LEAD VEHICLE IS ADOED TO OPERATION. IT SHOULD HAVE THE SAME ADVANCE WARNING SIGNS AS THE APPLICATION VEHICLE SHOWN BELOW.



IMPLEMENTATION DATE: 07/01/97 REVISED: 04/25/97

PLACING MARKING OR MARKERS ON TWO-LANE TWO-WAY ROADWAYS

GENERAL NOTES

- (1) THE FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS:
 - A. TRUCK MOUNTED ADVANCE WARNING SIGNS
 - B. TRUCK MOUNTED CHANGEABLE NESSAGE SIGN (CMS) C. GROUND MOUNTED ADVANCE WARNING BIGNS (MUST USE 'NEXT 10 MILES' AND CIRCLE TO
 - PICK UP BIGNS) D. GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 (MUST USE 'NEXT 10 MILES' AND CIRCLE TO PICK UP CM8)
- (2) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL - THIA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES. HOWEVER, THE FIRST VEHICLE MOTORISTS SEE SHOULD HAVE A THIA.
- ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED TEN (10) MILES IN LENGTH.
- (4) SIGNS SHOULD BE ACTIVITY SPECIFIC 1.0., PAINT CREW AHEAD (W21-001 C 48"X48")
- (8) DISTANCE BETWEEN APPLICATION VEHICLE AND PROTECTION VEHICLE WILL VARY AS DRYING TIMES VARY, HOWEVER, THE CRITICAL FACTOR IS PASSING MOTORISTS. IF THE GAP BETWEEN VEHICLES IS TOO GREAT, MOTORISTS WILL ATTEMPT TO PASS AND ULTIMATELY APPEAR IN THE MIDDLE OF THE OPERATION.
- MOUNTING HEIGHT DIMENSIONS FROM ROADWAY TO SIGN SHOULD BE A MINIMUM OF FIVE (5) FEET FOR INTERSTATES, OTHER HIGH VOLUME ROADWAYS, OR ROADWAYS THAT MAY REQUIRE A MOUNTING HEIGHT OF FIVE (5) FEET FOR INCREASED VISIBILITY AND A MINIMUM OF ONE (1) FOOT FOR ALL OTHER ROADWAYS.
- (7) 8IGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES.

(8) USE AN ADVANCE WARNING VEHICLE(8) WITH FLABHING ARROW PANELS ON SHOULDERS TO SUPPLEMENT TRAFFIC SHIFTS. USE OF CMS ON THIS VEHICLE(8) IS OPTIONAL.

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- (9) BIGN WPD-5L SHOULD BE PLACED ON BACK OF PROTECTION VEHICLE AND SIGN WED-SLD ON BACK OF ADVANCE WARNING VEHICLE IN MULTILANE DIVIDED TRAFFIC SO VEHICLES APPROACHING FROM REAR ARE NOTIFIED OF OPERATION.
- (10) RADIO COMMUNICATION BETWEEN VEHICLES IS RECOMMENDED.
- (11) USE OF A LIGHT BAR ON THE ADVANCE WARNING VEHICLE IS PREFERRED, BUT A ROTATING BEACON MAY BE USED INSTEAD.
- (12) USE OF A CMS ON ADVANCED WARNING VEHICLES IS OPTIONAL.
- (18) IF WORK IS PERFORMED AT HIGHT, THE FOLLOWING PROVISIONS MUST BE
 - A. GROUND MOUNTED SIGNS MUST HAVE TYPE B FLASHING LIGHTS ATTACHED (TRUCK MOUNTED SIGNS DO NOT REQUIRE TYPE B FLASHING LIGHTS)
 - B. OPERATION MUST INCLUDE A CHANGEABLE MESSAGE SIGN (CMS) C. WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVED BY THE ENGINEER.
- (14) USE A TYPE "B" FLASHING ARROW PANEL.

MIN. BIZE PANEL TYPE 60"X30"

LEGEND

PORTABLE SIGN

DIRECTION OF TRAFFIC FLOW

APPLICATION VEHICLE WITH ROTATING BEACON

PROTECTION VEHICLE WITH TRUCK MOUNTED IMPACT ATTEMNATOR (THIA) AND ROTATING BEACON (SEE MOADWAY BTANGARD NO. 1186.01

NUMBER

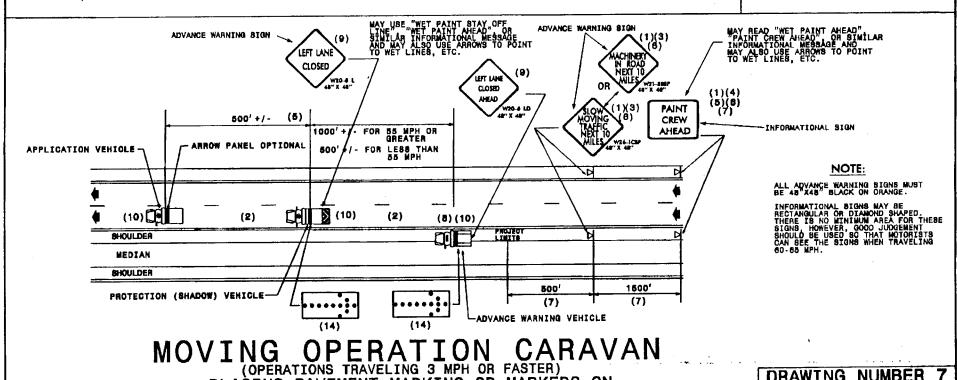
IMPLEMENTATION DATE: 07/01/97

DRAWING

REVISED: 04/25/97

ADVANCE WARNING VEHICLE 1... PICKLE TRUCK WITH MOUNTED SIGN

FLASHING ARROW PANEL TYPE "B"
APPROPRIATE DIRECTION INDICATED



PLACING PAVEMENT MARKING OB MARKERS ON INTERSTATE & MOLTILANE DIVIDED ROADWAYS